

```
data = input("Enter string")  
count = 0
```

```
if buffer.checkstate():  
    for i in range(0, len(data))  
        if i < client_rate:  
            client.data.append(data[i])  
        else  
            if count < buffer.size  
                buffer.append(data[i])  
                count = len(buffer)  
            else  
                print("Data loss")
```

```
else  
    j = 0  
    for i in range(0, len(data) + len(buffer)):  
        if i < client_rate:  
            if len(buffer)  
                client.data.append(buffer[j])  
                del buffer[0]  
            else  
                data.append(data[i]), j++
```

else:

if $\text{len}(\text{buffer}) \leq \text{buffer_size}$

if $j < \text{len}(\text{data})$

$\text{buffer.append}(\text{data}[j])$

$j++$

else

if $j < \text{len}(\text{data})$:

$\text{print}(\text{"data loss"})$

$j++$

$\text{print}(\text{buffer})$

$\text{print}(\text{Client})$